## NEW MEXICO OIL CONSERVATION COMMISSION

10000 00000 000 Form C-122

	Mar	درو و د -	o not	MULTI	POINT B	ACK PRES	SURE TES	r FOR GAS	WELLS STATE A	: <i>I</i> M	Revised 10 39		
Pool Indestmeted / Kuto					rmation Makes				County Les				
Init	cial	al Annual Annual			Special				Date of Test				
Comp	oany Sine	leir 0	41 4 9	as Co.		Lease	.2. PM	lips '	<b>∆¹</b> Wel	1 No		<del></del>	
Unit	nit Sec. Twp. 198			Rg	e. <b>373</b>	haser	<u> None</u>						
Casing Wt. I.D.			Set at P			erf. 9.992 To 9,612							
Tubi	ing • V	/t	<b>, 1</b>	D. 1.9	<b>95</b> _Se	t at_	Pe:	rf <b>9,52</b>	<b>4</b>	То	9,5%		
Gas	Pay: From_	9,520	To o	574	L 9,524 xG 0.635			-GL 6.000 Bar.Press. 13.2					
Producing Thru: Casing					Tubing Tubing			Type Well Since					
Date of Completion:					Packer 9.463			ngle-Bradenhead-G. G. or G.O. Dual Reservoir Temp.					
							ED DATA	•					
Test	ed Through				(Meter)				Type Tap	s <b>1</b>	Ag.		
~			low Da		k.		Tubing	Data	Casing D	ata		<del></del> -	
$\overline{}$	(Prover)	(Cho	ke)	Press.	Diff.	Temp.		Temp.		Temp.	1	ration	
No.	(Line) Size	-	•	psig	h <sub>ŵ</sub>	°F.	psig	o <sub>F</sub> .	psig	°F∙		f Flow	
SI	<del></del>						1533		Packet		72		
1.	<u> </u>	2,00	0	#	17.5	**	2005	8		<del> </del>	+		
2. 3.				449	23	*	1794	7			1		
4. 5.	<u> </u>	N A		542 592	33.0	78	1/89	2		<b>_</b>	1		
<u> </u>	<del></del>			276	7700	ET OW CAT	CULATION		<del></del>	<del></del>	<u></u>		
	Coefficient			Pr	ressure	Flow	Temp.	emp. Gravity Comp					
No.	No. (24-Hou		$r)$ $\sqrt{h_{\mathbf{w}}p}$		psia	Fac F	tor	Factor	Factor F <sub>pv</sub>		Q-MCFPD @ 15.025 psia		
1.	25.58		6.43		73.2 9.5794		0.772		1.053		1,75		
2.			101.449		0.90		0.972		1.04		2,997		
3° 4•			131	111.69		95.2 0.9651		0.972	1.00		3,490		
5.	146.634		05.2	0.9604		0.9723		1.052		3,7%			
					PR	ESSURE C	ALCUIATI	ons	7,03				
	iquid Hydro					cf/bbl.			fic Gravi				
	ity of Liqui			ons <u> </u>		deg.		Speci Pa	fic Gravi	ty Flo	wing Flu	1d	
- 0		<del></del>	······································			1		C——		_		<del></del>	
No	$P_{\mathbf{W}}$	Pt	2		$(F_cQ)^2$	. (1	'c <sup>Q</sup> ) <sup>2</sup>	<b>D</b> 2	$P_c^2 - P_w^2$		al.	p	
No.	Pt (psia)	Pt	F	c <sup>Q</sup>	(r <sub>C</sub> (y)	(1	c <sup>Q</sup> ) -e <sup>-s</sup> )	P <sub>w</sub> 2	1 C -1 W		Pw	P <sub>C</sub>	
1. 2.	3098,2	4401	17.	334	300.41	247	4	757	197.2	137	1 7		
3.	1007.2	334			970.27	347		3403.0	793	130	3 73.		
4. 5.	1705.3	- 3900	- 3	47	100 0	120		334.9	23.	THE	.6 72. .6 63.	3	
	olute Potent	ial•	1.7		4444	MCFPD:	n •		70000			-	
COME	PANY		edr 9	116		,							
ADDF	RESS_ NT and TITL	Jane J			10 -	Mar W.W.		2. 1. 50	2				
WI:IM	VESSED												
COM	PANY		<del></del>			REM	IARKS			<del></del>	<del> </del>		

## INSTRUCTIONS

This form is to be used for reporting multi-point back pressure tests on gas wells in the State, except those on which special orders are applicable. Three copies of this form and the back pressure curve shall be filed with the Commission at Box 871, Santa Fe.

The log log paper used for plotting the back pressure curve shall be of at least three inch cycles.

## NOMENCLATURE

- Q I Actual rate of flow at end of flow period at W. H. working pressure ( $P_W$ ). MCF/da. @ 15.025 psia and 600 F.
- $P_c$ = 72 hour wellhead shut-in casing (or tubing) pressure whichever is greater. psia
- PwT Static wellhead working pressure as determined at the end of flow period. (Casing if flowing thru tubing, tubing if flowing thru casing.) psia
- Pt Flowing wellhead pressure (tubing if flowing through tubing, casing if flowing through casing.) psia
- Pf Meter pressure, psia.
- hw Differential meter pressure, inches water.
- Fg Gravity correction factor.
- $F_t$  Flowing temperature correction factor.
- F<sub>DV</sub> Supercompressability factor.
- n I Slope of back pressure curve.

Note: If  $P_{\rm W}$  cannot be taken because of manner of completion or condition of well, then  $P_{\rm W}$  must be calculated by adding the pressure drop due to friction within the flow string to  $P_{\rm t}$ .